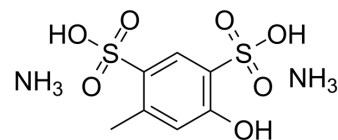


5-Hydroxytoluene-2,4-disulphonic acid diammonium

Cat. No.:	HY-136573
Molecular Formula:	C ₇ H ₁₄ N ₂ O ₇ S ₂
Molecular Weight:	302.33
Target:	Virus Protease
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

5-Hydroxytoluene-2,4-disulphonic acid diammonium is an impurity of Policresulen. Policresulen is a potent NS2B/NS3 protease inhibitor with an IC₅₀ of 0.48 µg/mL. Policresulen effectively inhibits the replication of DENV2 virus in BHK-21 cells with an IC₅₀ of 4.99 µg/mL. Policresulen acted as a competitive inhibitor of the protease, and slightly affected the protease stability^[1].

REFERENCES

[1]. Deng-wei Wu, et al. Policresulen, a novel NS2B/NS3 protease inhibitor, effectively inhibits the replication of DENV2 virus in BHK-21 cells. *Acta Pharmacol Sin.* 2015 Sep;36(9):1126-36.

Caution: Product has not been fully validated for medical applications. For research use only.

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